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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURE

KWM020-F SERIES

Jameco Part □ Number 216549□ (KWM020-12F)

- .FULL RANGE AC INPUT
- .THREE POLE AC INLET IEC320-C14
- .BUILT-IN EMI FILTER, LOW RIPPLE NOISE
- .FULLY ENCLOSED PLASTIC CASE
- 100% FULL LOAD BURN-IN TEST
- .SHORT CIRCUIT PROTECTED
- .OVER VOLTAGE PROTECTED
- .LOW COST / HIGH RELIABILITY
- .OPTIONAL OUTPUT CONNECTOR
- .APPROVALS:UL/CUL/TUV/BS/CE

MODEL / SPECIFICATION	KWM020-05F	KWM020-09F	KWM020-12F	KWM020-15F	KWM020-18F	KWM020-24F	KWM020-48F
@DC OUTPUT VOLTAGE	5V	9V	12V	15V	18V	24V	48V
@OUTPUT V. TOLERANCE	±5%	±5%	±3%	±3%	±2%	±2%	±2%
@OUTPUT RATED CURRENT	3A	1.67A	1.5A	1.2A	1A	0.75A	0.38A
@OUTPUT CURRENT RANGE	0.5-3A	0.3-1.67A	0.3-1.5A	0.24-1.2A	0.2-1A	0.15-0.75A	0.04-0.38A
@RIPPLE & NOISE	70mVp-p	90mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p
@LINE REGULATION	±1%						
@LOAD REGULATION	± 5%	± 5%	± 3%	± 3%	± 2%	± 2%	±2%
@DC OUTPUT POWER	15W	15W	18W	18W	18W	18W	18W
@EFFICIENCY	74%	75%	78%	78%	80%	81%	82%
@DC VOLTAGE RANGE	FIXED						
@INPUT VOLTAGE RANGE	90~264VAC , 47~63Hz						
@AC CURRENT	0.8A/115VAC						
@INRUSH CURRENT	COLD START, < 60A PEAK/230VAC						
@OVERLOAD PROTECTION	PULSING MODE, RESET:AUTO RECOVERY						
@OVER VOLTAGE PROTECTION	105%~145%						
@OVER TEMP. PROTECTION	----------						
@TEMP. COEFFICIENT	±0.04% / ◦C (0~50◦C)						
@SETUP, RISE, HOLD UP TIME	300ms, 50ms, 12ms/115VAC						
@VIBRATION	10~200Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES						
@WITHSTAND VOLTAGE	I/P-O/P:3KVAC; I/P-FG:1.5KVAC 1min.						
@ISOLATION RESISTANCE	I/P-O/P > 100M Ohms						
@WORKING TEMP., HUMIDITY	0◦C~+30◦C @ 100% LOAD, +40◦C @ 60% LOAD; 20%~90% RH						
@STORAGE TEMP., HUMIDITY	-20◦C~+85◦C, 10%~95% RH						
@DIMENSION	102*49*37mm (L*W*H)						
@WEIGHT; Q'TY/CARTON	0.19Kgs						
@SAFETY STANDARDS	UL1950, CSA22.2, TUV EN60950, BS7002						
@EMC STANDARDS	EN55022, IEC801-2,3,4, EN61000-3-2,3						
@LENGTH OF OUTPUT CABLE	STANDARD CABLE:180cm OF SPT-1, 20AWG*2C(OPTION)						
@PLUG OF DC OUTPUT	STANDARD PLUG:2.1 X*5.5 X*11mm, CENTER POSITIVE(OPTION)						

NOTE :
1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25º C 70% RH. AMBIENT.
2. TOLERANCE GINCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

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